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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,555	(03/25/2004	Yoshiharu Sugano	S004-5251	7928
40627	7590	06/15/2006		EXAMINER	
ADAMS &			AURORA, REENA		
17 BATTERY PLACE SUITE 1231 NEW YORK, NY 10004				ART UNIT	PAPER NUMBER
				2862	
				DATE MAILED: 06/15/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
	10/809,555	SUGANO, YOSHIHARU					
Office Action Summary	Examiner	Art Unit					
	Reena Aurora	2862					
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the o	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	OATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 31 M	March 2006.						
2a) This action is FINAL . 2b)⊠ This	This action is FINAL . 2b)⊠ This action is non-final.						
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1 - 3 and 10 - 13 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed.							
6)⊠ Claim(s) 1 is/are rejected.							
7)⊠ Claim(s) <u>2, 3 and 10 - 13</u> is/are objected to.	' <u> </u>						
8) Claim(s) are subject to restriction and/o	or election requirement.						
Application Papers							
9) The specification is objected to by the Examine	er.						
10)⊠ The drawing(s) filed on <u>31 March 2006</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D	ı (PTO-413)					

Application/Control Number: 10/809,555

Art Unit: 2862

DETAILED ACTION

This communication is in response to amendment received on 03/31/06.

Applicant has canceled claims 4 – 9.

Applicant has added new claims 10 – 13.

Claims 1 - 3 and 10 - 13 are presented for examination.

Claim Objections

Claim 10 is objected to because of the following informalities: As to claim 10, at line 11, it is unclear what the contact is, applicant is suggested to replace the word "contact" with the word "cantilever". Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shimazawa et al. (6,294,911) in view of Xiao (6,657,431).

As to claim 1, Shimazawa et al. (hereinafter Shimazawa) discloses a method of measuring magnetization including a magnetic field generating (20, fig. 2) mechanism

Application/Control Number: 10/809,555

Art Unit: 2862

that generates a magnetic field in a target area (26) on an object to be measured; a cantilever having a conducting probe (27) the cantilever being supported so that the probe can be brought into contact with the target area; a voltage source (33) for applying a voltage to the probe (27); and an electrical property measuring section (34) for measuring a current or an electrical resistance between the probe (27) and the object (26) in contact with each other. Shimazawa fails to show a magnetic sensor that measures the magnetic field near the target area and a moving mechanism that moves the cantilever relative to the object to carry scanning while keeping the probe in contact with the object; a bending mechanism that measures an amount of bending of the cantilever when the probe is brought into contact with the object; a control section that controls the moving mechanism so as to maintain the bending amount of the cantilever constant. Xiao discloses scanning magnetic microscope having a magnetic sensor (10, fig. 3) for measuring the magnetic field. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the device of Shimazawa with the teachings of Xiao such that providing a magnetic sensor near the target to accurately measure the magnetic field as the scan of the target area proceeds. Xiao further discloses a bending mechanism that measures an amount of bending of the cantilever when the probe is brought into contact with the object; a control section that controls the moving mechanism so as to maintain the bending amount of the cantilever constant (22A, 23A, Electronics, fig. 3 and 4, col. 9, lines 35 – 39, lines 44 – 51 and col. 9, line 67 - col. 10, line 10). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the device of Shimazawa with the

Application/Control Number: 10/809,555 Page 4

Art Unit: 2862

teachings of Xiao such that providing a bending mechanism and a control mechanism to maintain the bending amount of the cantilever of Schimazawa would decrease the positioning error of the device.

Allowable Subject Matter

Claims 2-3 and 11-13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments with respect to claims 1 - 3 and 10 - 13 have been considered but are most in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reena Aurora whose telephone number is 571-272-2263. The examiner can normally be reached on Monday - Friday, 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, E. Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/809,555 Page 5

Art Unit: 2862

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Reena Aurora